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JANUARY 29, 1890.

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"I was a great sufferer from a low condition of the blood and general debility, becoming, finally, so reduced that I was unfit for work. Nothing that I did for the complaint helped me so much as Ayer's Sarsaparilla, a few bottles of which restored me to health and strength. I take every opportunity to recommend this medicine in similar cases."—C. Evick, 14 E. Main st., Chillicothe, Ohio.

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### 89 REW FARM.

Vol. XXVII. BALTIMORE, January 29, 1890. No. 5.

For the Maryland Farmer.

#### WE THINK AS WELL AS WORK.

We hear a great deal about extravagance and lack of economy as the cause of complaint of hard times, depression and discouragement among farmers. As if these things were in fact more prevalent among farmers than with other classes.

It is not so. Where one farmer and his family are extravagant, hosts in other pursuits are ten times more so, and the story of great failures and small failures tell this truth very plainly.

The city dealer, with barely enough income to buy decent food and clothing, puts on the style and copies the outlay of those worth their hundreds of thousands, until the assignment comes and he retires into bankruptcy—often only to again and again repeat the experience.

Occasionally, but only occasionally, the farmer is betrayed into this boat, and one experience is generally all he desires.

It is true our grandfathers, if we can believe a fraction of what we hear about them, were remarkably given to starving themselves and their families in all those particulars which belong to the healthful rearing of honest and faithful men and women of to-day.

But we are not to suppose this to be true economy; because the very object of life was to make it a season of at least reasonable happiness. And this cannot be done by starvation. Plenty of food should walk hand in hand with an abundance of work.

Economy then should not be exclusively the farmer's great virtue and his numerous ills should not be placed over against his supposed extravagance. It is true many farmers can afford the luxuries of music, parties, and general occasions of hilarity. These, however, do not comprise that large class of farmers who seem to have just cause to complain.

We know, as a general thing, that farm-

ers are still exceedingly economical, and only those silly children are extravagant who are bent upon securing ten times the show of their fathers on a tenth part of the farmer's income.

Let us see, if we can, where the farmer should work in these days of gloom, in order to bring back a smile of that content which belongs to prosperous times.

The first thing for the farmer to do is then to make arrangements for the proper supply of his family in food and clothing. This should have been the very first consideration upon his mind.

Here should be abundance of the best the farm can be made to grow. No excuse is able to invalidate this assertion. Consider every thing of secondary importance which does not directly contribute to the well being, the comfort and the happiness of the human dwellers on the farm.

Having secured this the next thought is something to sell in order that all the manifold demands made upon the pocket book may be met fully and promptly—that something more than the absolute necessities of life may be supplied these human dwellers on the farm.

This, then, is the thought: The farm to supply the necessities first of all. Then to supply if it be possible any little desirable extras which go to make up the sum of human happiness.

After this thought is settled fully in the mind and in the heart must come the work to realize it.

Prosperity belongs not to the former part of this thinking—that is the province of economy. It belongs to the latter part of this thinking—that part which having provided the necessities looks further, looks beyond these homely things towards the glitter of luxurious life.

No one has a better right to look towards this glitter than the farmer. It is a shame upon our civilization that every other class does secure it sooner and to a greater extent than the farmer.

Some great and violent changes must be brought about in existing circumstances, before we can take our stand upon the same platform with manufacturers, protected, pampered until they forget their birth and kindred, and the professions who by excessive charges, recognized by the decisions of court, prey upon the farmer's substance.

Thought must be busy; but work must follow—hard work to reconstruct the equality which should exist in this land of ours between every class of its citizens.

If the lawyer whom I consult asks me ten dollars for a half hour's talk; when he comes to talk with me for half an hour about his grape vines or his flower garden, why should not my bill of ten dollars be just as binding as his charge against me? My time should be just as valuable as his time.

These things should not all end in the thinking, work should make them real. Farmers have a great field of honest reform to work out, before prosperity may be theirs as it now comes to other pursuits and to the professions.

For The Maryland Farmer.

#### FERTILIZERS.

Don't go to town and buy fertilizers until you know you must have them. But after you have planned out your work for the next season and know what you must have, then get the very best fertilizers you can find and use them liberally.

Every farm has a great many sources of fertilizers and we are of the opinion that they are not utilized as they should be.

The barn manure, exposed to the weather loses half its value almost; or is piled so that it burns out most of its rich qualities;

or not properly mingled with any deoderizer sends its ammonia off into the atmosphere to pollute the air in all directions.

The forest leaves seldom gathered, but allowed to blow over the roads and fields, or to lie unused where they chance to fall, are a great waste. Spare hours cannot be better spent than in gathering them for compost, or for bedding in the barn, or in the pig-pen.

Peat, muck, marle, old sods, rotton wood, pond mud, ditch banks, fence rows, house slops, ashes, poultry droppings, old mortar, refuse vegetables, ensilage waste; but it is impossible to mention all the sources about the house and farm which may add to the enrichment of your cultivated land.

When all these have been brought together that great source of fertility the turning in of green, growing crops should not be forgotten.

Commercial fertilizers for special purposes, if handled understandingly, accomplish an immense amount of work with comparatively little labor. When a ton of commercial fertilizer contains \$45.00 worth of concentrated vegetable life, a ton of barnyard manure contains about \$2.50 worth of plant elements.

But the extra lightening of the soil, the mechanical effect of barnyard manure, cannot be readily measured. It in someway does a work which no other fertilizer can be made to do, and which no chemical test has been able to discover.

For The Maryland Farmer.

# CORN RECORD OF THE WORLD FOR ONE ACRE.

A South Carolinian takes the \$500 prize of the American Agrt., and also gets a like sum from the State of South Carolina, making \$1000 for his crop on one acre of 253 bushels 484 pounds of shelled

corn. The same corn kilu dried weighed 239 bushels.

The second yield was in New York 213 bushels to the acre; and the third was in Nebraska 171 bushels.

Farmers, have we nothing to learn as to the amount of produce to be gathered from an acre of ground?

#### BLUEBERRIES-HUCKLEBERRIES.

At the meeting of the Mass. Horticultural Society, Jany. 18th, E. Lewis Sturtevant gave an exhaustive account of this fruit, and especially of the derivation of the various names. He also mentions particulars as to its cultivation and gives recommendations worthy of notice. We presume a stamp forwarded to the society, Boston, Mass., will bring the published essay to those who wish it.

#### SANDY SPRING MEETING

#### Representative Farmers in Session.

About a hundred practical farmers gathered at this meeting on the 21st and discussed important subjects as announced in a previous number of the Md. Farmer. They voted in favor of a Board of Agriculture, Farmer's Institutes, and a stringent dog law. Creameries and ensilage were prominent subjects before them. The Potatoe and the Clover crops received considerable attention.

Practical men on practical themes, plain talk on plain subjects, no fear and no favor, was the order of the day, under the direction of Mr. Henry C. Hallowell, its first and efficient president, who is well worthy of the position he has held so long—since 1873. Move on, brothers, you are on the right track. True progress in practical work and no grumbling.

Entered as second class matter at Baltimore, Md.

THE

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AND

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#### THE FARMER'S LEAGUE.

Since our last issue was in print, the editor of this magazine has been appointed Vice President, for Maryland, of the National Farmer's League. He is heartily in sympathy with the objects of the League, and will lend his aid to any who desire to form a League in their neighborhood.

He will give all necessary particulars upon application.

It is a non-partisan organization for the avowed purpose of acting politically in such a way that the farmers may have their rights and interests duly secured by the State Legislatures and the General Government. It is not a secret society, with pass words, grips, &c.; nor is it an expensive organization as to membership dues. It is a farmers' league for farmers' interests. It should sweep the country.

Other organizations are for other objects and give voice in accordance with those objects. This is for political purposes, and works in harmony with all these others; but it is not a party—it is the people: farmers, who have aroused themselves to understand that they can act, and act effectually; who know that the laws should be framed as fully for their benefit as for the benefit of any other class, and who are resolved that it shall be so.

To this end let us welcome the Farmor's League.

H. R. Walworth, V. P. for Md., Baltimore, Md.

#### \$30 A DAY.

The Representatives in Congress get \$30 a day. But \$5,000 a year does not sound as large as \$30 a day. Our republican simplicity has departed. In Switzerland \$2.50 a day is paid. They seek now in this country to double the payment and make it \$60 a day.

Let us call a halt. The salaries are now such, that selfish seeking is the prime motive of office holders. No wonder the taxes and tariffs must be enormous. No wonder the farmers are suffering. Every thought of getting back to the economic administration of affairs calls for the Farmer's League.

The first number in March will be our Poultry number for 1890. Our issue will be largely in excess of our regular edition and will reach those who are interested or becoming interested in the subject.

Advertisements in the Poultry interests will be a specialty. They will be inserted at \$1.00 an inch; and no advertisement

single insertion.

We send this marked to you as an invitation to send us your advertisement for this number.

#### TAXING MORTGAGES.

Farmers and all those interested should petition the Legislature urging the passage of the Bill Taxing Mortgages and should also petition at the same time that the amount of said mortgage shall be deducted from the assessment of the property upon which it is a lien.

This is the only just disposition to be made of this matter and we urge our readers to write to their members in the legislature, where they can do so join together in writing them, urging them to do what is right in this matter.

#### TAXATION.

In Ploughman Hall, Boston, the subject of taxation of farmers and farm lands has been under free discussion. It is now a prominent theme in all parts of our coun-

The need of some radical change is felt very generally and the fact that the great capitalists who hold millions of dollars of personal property are comparatively free from taxation is under grave consideration everywhere.

It was brought out that Jay Gould was only taxed for \$50,000 of personal property when \$150,000,000 of dollars would have been nearer the reality. This of course being only one instance to show the general fact.

It is a fundamental principle of our government that all shall be, as far as practicable, subject to equal taxation ac-

will be accepted for less than 50c the cording to the amount of their property. Carry out this principle is all the farmer

#### WORK WHICH PAYS.

In your neighborhood, receiving their mail at your post office are—farmers. It will be very easy to procure a good list of subscribers among them and your part of the cash will be a good premium for your pleasant labor. Many a young lady, many a lad has realized \$10 in a single week's work obtaining subscriptions and had most of the time for other work, only using spare time for this. If you wish to work, write us for terms and sample copies and send us the names of all the farmers you wish to visit and we will send them sample copies to prepare the way for you. Write the name of the post office plainly as well as the names of the farmers.

If you do not wish to work, send the name of some one who does.

Having made such arrangements that we can supply any of our readers with facilities for procuring homes, either in the city or in the country, we would ask that they make their wants known to us. The wide range over which this magazine extends will enable us to gather information from Maine to California, and to meet almost every case without cost to you.

#### A FEW POINTS.

To secure a large number of subscribers, we would post those who are so kindly laboring for us, and those also who are hesitating whether to enter the field or not. To the latter we would say, many make from \$3 to \$4 a day and you can do so, if you choose. The points to urge are, that the Md. Farmer is a live paper, always advocating the farmers' best interests; it comes every week for \$1 a year; it costs less than two cents a week; it gives in the course of the year a large amount of valuable reading; it is independent, outspoken,

both in its correspondence and its editorials; it has never missed a single issue since its establishment and is now in its 27th year; it is in magazine form and an ornament for the home; it is the only weekly in this State devoted to Agriculture; it is careful as to its advertisements. It will pay you to subscribe.

### HEELE FLOTESEFLOLD.

#### SQUIRE RICHARDS' SECOND WIFE.

"What? No, you don't say so? Squire Richards goin' to marry agin, and his wife only dead three months! Good gracious me!"

"Tis awful! You may well be astonished, Mrs. Wilkes; it is terrible to think of. Such deception! Why, at his wife's funeral, one would have thought him actually heart-broken; and then the crape on his hat is half a yard deep!"

"Ah, me, Mrs. Hanson, there is no dependence to be put on 'pearances. The world gits sinfuller and sinfuller every day, and it can't be covered up with silk or broadcloth. As I said to my husband, Mr. Wilkes, the other night, says I, 'Simon, things are comin' to an awful pass! Everybody will git into the state prison in two years at this rate.' And says Simon, says he, 'I don't doubt it, Mariah!'"

"And you and Mr. Wilkes were right, perfectly right. It is just so; and this dreadful conduct of the Squire's has made me more conscious o' the truth of it. Strange that a sensible man should behave so."

"Yes, it is wonderful! but how did it git out so quick? The Squire ain't no hand to tell things, you know."

"Betty Higgins found it out last night. She was taking tea with the Widder Towns; you know she's almost always avisiting somewhere, though I wouldn't mention it to a livin' person except you, Mrs. Wilkes; and while they were at supper, the Squire rode by in a new buggy, goin' toward the depot. People don't git new buggies for nothin,' you know."

"No, that they don't, Mrs. Hanson, widderers especially."

"Well, he wasn't gone more than half an hour before back he came drivin' upon the gallop; he didn't use to abuse his horse when poor Mrs. Richards was alive, and, lo, and behold! sittin' in the new buggy with him, his arm actually 'round her waist in broad daylight, was a little girlish-looking woman in a pink dress and a green silk bonnet! and his arm 'round her! It is abominable!"

"My gracious! Goodness! I want to know!"

"Yes, it's every word of it as true as our minister's discourses, and Mr. Sampwell never exaggerates; he's a fine man, Mrs. Wilkes. And the widder Towne and Betty run up in the garret—they can see Squire Richards' house plain from the widder's garret winders—and the Squire drove up to the front door, as if the side door wasn't good enough, and then he got

out of the buggy and lifted the woman on to the door stone! Took her right into his arms in broad daylight, and lifted her on to the door stone!"

"My goodness! as if she couldn't git out herself! It's indecent; now, ain't it?"

"To be sure it is! and he a middle-aged man, and a member of the church! Mr. Sampwell ought to know of it, so that he could preach a sermon on the duties of men to their families. Only think of poor, dear, dead Mrs. Richards' little daughter, Elmetta, bein' ruled by a stepmother hardly older than herself. It will break the poor child's heart!"

"Wal," recommenced Mrs. Wilkes, "I think sich doin's are awful. Gettin' married agin afore his wife is cold! Now, I 'spose that's no excuse, for my Mary Elizabeth or Julia Ann would have been glad to have gone. Mary Elizabeth is a great favorite with little Elmetta, and Mary Elizabeth is a grand hand at managing children."

"Yes, Mary Elizabeth is a fine girl, Mrs. Wilkes, but her health isn't hardly good enough to take so much care as there would be in Squire Richards' family with all his company, but then Julia Ann is a remarkable hand for children; can't help learning them something all the time she is with them. Her example is so beautiful, you know."

"Wal, for my part, I think somebody ought to go and talk to the squire about it. It isn't right for us—sisters in the church—to let him go and ruin himself and darter a-marrying nobody knows who. He ought to be reasoned with."

"That's just what I think, Mrs. Wilkes, and I called over here on purpose to ask you to go with me to the Squire's tomorrow morning and talk with him about it. It's the best thing we can do."

"I'll be glad to. I hope I'm never backward in doing my duty."

"Well, I must be going; I've made a long call; tomorrow morning at eight o'clock. It's best to go early. I'll call over for you. Do come and see me, Mrs. Wilkes! You know its an age since you have been to our house."

"Dear me Mrs. Hanson, I don't come half as often as I want to, but I'm ashamed to keep comin' all the time. As I told my husband, Mr. Wilkes, the other day, says I, 'Sinon, I'm actilly afraid I shall wear my welcome out over to Mrs. Hanson's.' And says he, says Sinon, 'I should't wonder if you did, Mariah!"

Eight o'clock the following morning found our friends, Mrs. Wilkes and Mrs. Hanson, standing on Squire Richards' front doorstep (the side door was not good enough for the lady in pink and of course it was not suitable for ladies of their "calibre,") awaiting to be admitted. A frouzy-headed Irish girl answered their ring.

"Is Squire Richards in?" asked Mrs. Hanson.

"In? to be sure he is; safe in bed, ma'am. Is it after seeing him that ye are?"

"Yes we call to see him on important business," replied Mrs. Hanson, frigidly.

"Sure thin, I'll be after callin' him; though the ould jintleman's sound aslape, for I heard him snoorin' but just now when I came forninst his bed-room door. Come in with yees," and Biddy ushered the ladies into a room where the breakfast table was standing in waiting for the family.

"Hum!" said Mrs. Wilkes, looking significantly at the table. "She can't be no great shakes layin' abed till breakfast time. Poor Mrs. Richards used to be up in season."

Just at this moment the Squire entered in elegant dishabille, that is without a coat and minus shoes and stockings. He advanced holding out his hands cordially.

"Good morning, ladies, good morning, I'm a little late you see. Hope you'll excuse my toilet; the fact is that I sat up rather late last night and felt drowsy this morning. Fine morning, isn't it?"

"Very enchanting," replied Mrs. Hanson, who greatly prided herself on the elegant propriety of her language; "it is beautiful enough for a morning in the gorgeous land of the orientals. But to change the subject; we call on a matter of business—."

"What's the difficulty now, Mrs. Hanson? A new carpet for the parsonage or is \$50 wanted by the missionary society? Come, speak out!"

"Ah, Squire it's wuss than that," exclaimed Mrs. Wilkes, no longer able to keep silent, "it is something that consarns you, Squire, consarns your everlastin' and eternal well-bein'."

"Indeed! Well, go on," said the Squire, looking very much surprised.

Mrs. Hanson drew a long breath and began:

"Squire, we called to see if you were thinking of marrying again; we—"

"You were not going to propose to me, were you, ladies? I should be exceedingly happy to receive such proposals, but I should have Deacon Hanson and Major Wilkes in my hair forthwith. It would not do, ladies."

"No, we supposed you had already made your selection of the person who is to fill your dead wife's place, and we have called to talk with you about her. We have understood that she was in your house, and if agreeable we would be pleased to see her. Our interests in you and your motherless child has induced us to do this." Mrs. Hanson spoke with solemn dignity and her tone was evidently intended to impress the Squire powerfully.

"And we want to know where you got acquainted with her, Squire, and how old

she is; and if she knows how to do housework," said Mrs. Wilkes.

"How did you learn anything of this?" asked the Squire, evidently somewhat non-plussed by the extraordinary knowledge of his affairs displayed by the visitors.

"We heard of you ridin' out with her, Squire, she dressed all in pink with a green silk bonnet. It don't look very well, Squire, to see a man of your ege, ridin' out with sich a young gal."

"Well, ladies, suppose I should take a notion to get married? You couldn't blame me, I don't think. Here I am with no housekeeper, and a hired girl to oversee things, and my home is none of the most orderly. Elmetta needs some one to care for her, and it would not be in nature for a father to be nmindful of the interests of his child."

"Why no of course not, but then if you needed a housekeeper, my Julia Ann would come and look after things. She's a capital manager and very fond of children. She and Elmetta, sweet little thing, would git on admirably."

"Yes or my Mary Elizabeth, either. She'd be tickled to death to come, she thinks so much of Squire Richards and his little gal. And, if I do say it, Mary Elizabeth is a nice gal as there is anywhere."

"Mary Elizabeth's health is too feeble for much exertion, Mrs. Wilkes; you don't do right to put anything hard upon her; you know she has a pain in her side half the time."

"Well," said the Squire, at last, "I don't know what to think about it. I don't believe Elmetta would give up this 'lady in pink,' as you call her, at all; she has taken a wonderful liking to her."

"Where did she come from Squire? You hain't told us anything about her yit."

"To be sure, Mrs. Wilkes. Well, I found her in a miliiner's shop in the city of Buffalo."

milliner, is she? Well, I never!"

"Will you be kind enough to favor us with an introduction? I should be happy character."

Mrs. Hanson was very patronizing, and so the Squire seemed to think, for he hesitated a moment before he said:

"Well Mrs. Hanson, it will be an advantage to her to form the acquaintance of two such estimable ladies as my present company, and I shall be very glad to present her to you. Pray excuse me for a moment."

"Stop, Squire!" exclaimed Mrs. Wilkes. "What's her name?"

"Jennie Ray," replied the Squire, as he disappeared in the passage.

"Jenny Ray: a regular story name! She's some city highflyer, 1 'spose."

"Very likely, Mrs. Wilkes, but I see the Squire's mind is made up, and it is no use to say anything. We must make the best of her."

Just as Mrs. Hanson let fall this magnanimous speech the door opened and the Squire appeared.

"In a milliner's shop! Then she's a litely, "permit me to present to you Miss Jennie Ray, my daughter's wax doll, which I purchased in Buffalo last week, and which arrived the day before yesterday at to see her before I form an opinion of her the depot by express. The cost of it was \$45, and at present I have no intention of making it my wife."

Poor Mrs. Wilkes! Mortified Mrs. Hanson! With burning faces they took their leave, and since then, I believe, they have miraculously minded their own business.

Squire Richards was somewhat eccentric and knowing how busybodies gossiped about him, and having bought a largesized wax doll for his little daughter, the idea struck him that it would be a fine joke on the scandal-loving people of Wheatfield to take it from the packing case and ride home with it in his buggy, in full view of the public. We have seen the result.

The Squire is still unmarried, and bids fair to remain thus, his widowed sister having established herself as mistress of his family. Mrs. Wilkes and Mrs. Hanson would not like their unfortunate mistake made public, and I wish as a particular favor that those who read this "Ladies," said the Squire, bowing po- story will keep it as private as possible.

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MAKING ARRANGEMENTS

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#### SORE EYES OF SHEEP.

Henry Stewart, excellent authority in all matters pertaining to sheep husbandry, contributes in a recent issue of Rural New Yorker some valuable information concerning the inflammation of the eyes with resulting loss of sight, a frequent disease in sheep during the winter season. This disease, which is contagious, mostly has its beginning in the fall when the sheep are pastured upon stubble. The stiff short straws come in contact with the eyes wounding and irritating them and causing the inflammation, which, unallayed by any curative measures, proceeds to suppuration, and a secretion of diseased pus which is left on the feeding racks or other places and is thus communicated to the other sheep.

The pain from this intense inflammation is very great and seriously disturbs

FRONT REAR A GOOD RACK.

the health of the sheep, which stop feeding, grow thin and in time suffer from a complication of disorders to which these animals are so subject, and when the spring arrives and the shepherd hopes his troubles are

over, the animals die and both they and their lambs are lost, and the care and feeding through the winter are labor and money thrown away.

The disease in question is one that is to be prevented, if possible, by avoiding the cause. Fragments of rye beard and chaff from rye straw, used as litter, and of which the sheep eat at night, lodge in the eves. At times the use of Timothy hav will cause the disease, especially when the racks are made so wide apart that the sheep can thrust their heads through the bars and among the stiff stems and so wound the eyes, and the seeds or chaff can get into them. A good form of rack to avoid this trouble is that shown in the cut.

The front is made of upright bars two inches wide and three inches apart; the back part is of boards set closely together and sloping forward at the bottom, so that the hay slides down and keeps close to the bars in front where the sheep can reach it. The trough for grain is at the

front. The rack is raised a foot from the ground on small posts six or eight feet apart, so that young lambs cannot get fast in any way. Two of these racks may be set together, connected behind so as to form a double rack to be placed in the middle of the shed, and others may be built against the sides of the shed. If the hay loft is over the sheep shed the hay may be dropped into the racks with the least possible labor. Since I first used this kind of rack I have never had any trouble with inflamed eyes in my sheep in the winter.

A frequent cause of this disorder is the alkaline dust of the soil in the dry, hot weather, and the intensely hot reflection of the heat rays of the sun. Where this difficulty is experienced the sheep may be saved by being inclosed during the middle of the day for some hours, and let out to feed in the evening and night. Another common cause is the use of a too close and warm stable from which the sheep are turned out and exposed to a cold storm of sleet or rain or damp snow; or to dry snow and bright sunshine, the reflection of which is painful to the eyes and produces snow

blindness and inflammation.

After the causes are removed, Mr. Stewart advises the following: Just remove the affected animals to a dark place. Give a light cooling antiseptic medicine, hyposulphite of soda in dram doses daily being very useful. The eyes should be examined for any foreign substance, which should be removed, if easily possible, by a soft camel's-hair pencil; otherwise a small quantity of linseed mucilage—made by boiling linseed in a little water-may be injected into the eye, by which the offending matter will be able to make its way to the outer corner of the eye where it can be seen and removed. To this mucilage may be added a fourth part of a solution of 10 grains of sulphate of zinc in an ouned of water, and two drops of wine of opium. When the eye is cleansed and this palliative injection has been used for two days, if the cloud remains, a pinch of burned alum is put into a goose-quill or small tube, and is blown into the eye. A few repetitions of this will clear the eye. It would be well to give all the sheep the above-mentioned quantity of the soda hyposulphite, powdered and mixed with a little molasses, and spread on the back of the tongue, and to continue the treatment for a week.

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#### FEED BAG.

So many persons now feed their horses at noon from nose bags that the best form is essential to understand. The straight nose bag, when the animal puts up his head, allows much feed to fall out. The one we now show was first suggested in The Globe, and will obviate the difficulty, for the reason that one side forms a kind of pocket, preventing the food from dropping out.



AN ECONOMICAL FEED BAG.

The bag ought to be made of canvas, with a ventilator, as is usual, and is provided with two cords or webs to hold the bag comfortably in its place. The large figure shows the bag fastened to the head of the horse, the other figure the bag in detail. Any harness maker can readily make the bag, and it will be found a great convenience on a journey or for feeding in the field.

#### GATHERED CRUMBS.

E. Williams, secretary of the New Jersey Horticultural society, says that the Triumph gooseberry is a great improvement over any other variety that will grow in that climate.

One orchardist advises in planting an orchard to "set the tree leaning considerably to the southwest: it will be straight by the time it is of sufficient age to bear.

To insure a good supply of eggs make the poultry house warm and free from draughts and vary the 1000 as much as may be.

If the farmer were obliged to buy the vegetables used in his family through the year, he would begin to understand how much money there is in a good gar-

If the cow's milk is very blue in cold weather, it is because the food that should form rich milk and cream is used up in maintaining animal heat; hence the policy of sheltering animals as much as possible in severe weather.

Pears of late varieties should have much the same treatment as winter apples. Keep in a cool place where they will ripen slowly.

### Books for Farmers.

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No. 7a. Home-made Farm Implements.—Directions for making useful and labor-aving utensils, all of which are unpatented and may be easily made, are given in this book. Among them are harrows, hay elevators, weeding implements, tread powers, coru markers, clod-crushers, post-drivers, plow attachments, corn-shellers, road-scrapers, snow-plows, bay-holders, etc., etc.

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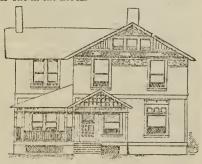
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Mr. P. Barry calls attention to the Windsor cherry: "It is a seedling originated by Mr. James Dougall, of Windsor, Canada. Fruit large, liver colored, resembling the Elkhorn, or Tradescants Black Heart, nevertheless quite distinct; ripens three or four days after that variety; flesh remarkably firm and of fine quality. Tree hardy and very prolific. A valuable late variety for market and for family use. We have had this variety in bearing for several years, and can strongly recommend it as a most important addition to the list of valuable fruits for market or garden."

#### A SOUTHERN HOME.

While this plan was designed for a winter home in Florida, it is in mind that conditions might exist that it would be occupied during warm weather. I have often thought in connection with the planning of southern houses that the problem was not so different from that which belongs to a northern bouse as is generally supposed.

The conditions of comfort and convenience apply alike under any circumstances, and a house that will be comfortable in the south during warm weather will also be conifortable in the north under the same conditions. It is true that the temperature is quite often as high in some of our northern cities as it is in the south, though the continuance of the heated period is not usually so great. It is also true that a house planned with reference to being cool in summer will be warm in winter-that is, the walls should be sheathed, papered and weather boarded in the case of a frame house for a southern home the same as for one in the north.



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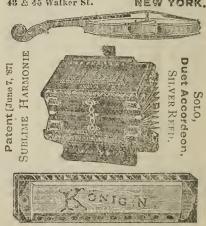
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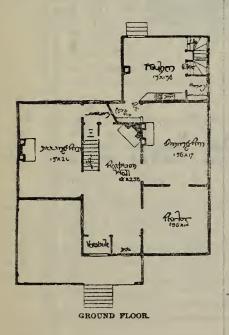
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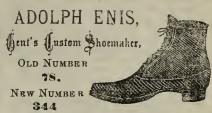
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which have been recently built in the north. The key to this plan is the reception hall. It is the feature of the house. It is open from front to rear. There is the front door and the window to the right of it. At one side is another window. Then at the opposite end of this hall over the stair landing, which is a little over eight feet from the floor, is a large window divided by mullions, which is nearly the full width of the hall. Thus during the heated period this hall can be open from front to rear at proper times, and thus a draft of air secured.

During the periods of ordinary temperature this feature would add to the comfort of living in this building. It makes a very attractive feature architecturally. A hall which is open from end to end, and which at the same time affords the conditions of utility which belong to a house of moderate cost, cannot but be delightful. At one end near the stairway is a corner fireplace. During a chilly day in the winter the prospect from the vestibule as one enters the hall would be pleasing indeed. The vestibule, which would afford a place in which wraps could be hung, and the fireplace at the other end of the room, would change this hall from a mere passage space to one which would be regularly occupied.



Up over the fireplace, and extending the full width of the hall, is a gallery from which one may look down into this room. Under it is a china room, lighted by a widow at one side. Next to this china room is a lavatory, in which may be placed a washstand and



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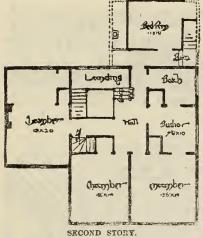
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water closet. It may be entered either from the sitting room or reception hall. The water closet would be placed in the space directly under the steps. This room would be well lighted and ventilated by means of the window shown. The china room forms a passage from the kitchen to the dining room. There are double swing doors connecting this room, and in this way the kitchen is sufficiently isolated.

The kitchen is arranged with due regard for convenience and ease in the movement of housekeeping. There is the sink and arrangement of tables on each side of it. Convenient hereto is the kitchen range. Near by is a pantry, in which may be placed all proper fittings. The passageway to the cellar is near thereto, and between it and the stairway leading to the second floor is the kitchen closet. The parlor, dining room and sitting room are shown in their proper relations one to the other. The door which connects the dining room and parlor is not a sliding door, but is hung on hinges so as to make the separation from these rooms complete at proper times.



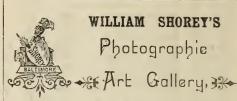
A desirable arrangement of porch shown.

On the second floor there are four bedrooms, a dressing room and bath.

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The passageway to the attic is shown in the front hall,

By examining the bedrooms it may be noticed that there is proper wall space for all furniture. LOUIS H. GIBSON.



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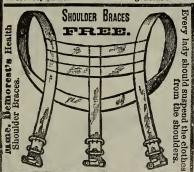
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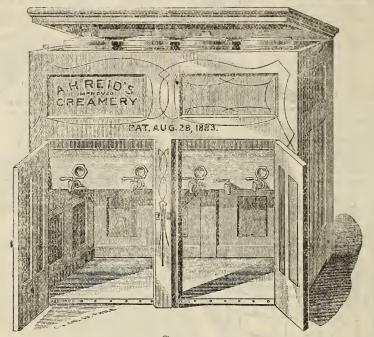
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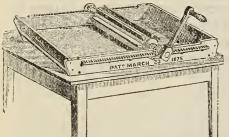
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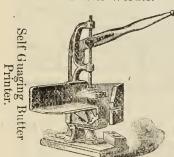
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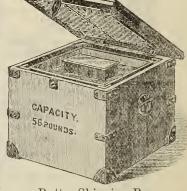
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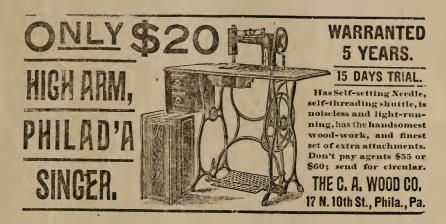
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